



A Comprehensive Guide to Using the SS 202 Round Bar

Welcome to this comprehensive guide on using the [SS 202 Round Bar](#)! In this presentation, we will explore the versatile world of SS 202 round bars, a type of austenitic stainless steel that offers various benefits and applications in various industries. From its composition and properties to its wide-ranging uses, we will delve into the essential aspects that make SS 202 round bars popular in modern engineering and construction.

SS 202 Round Bar

SS 202 Round Bar refers to a round-shaped metal bar made from Stainless Steel grade 202, which is a type of austenitic stainless steel. SS 202 offers good corrosion resistance, toughness, and formability, making it suitable for applications in various industries such as kitchenware, utensils, architectural trim, and automotive components.





Applications of SS 202 Round Bar

SS 202 round bars manufacture kitchen utensils, cutlery, cookware, and food processing equipment due to their corrosion resistance and hygienic properties. These round bars are utilized in architectural and interior design elements like handrails, balustrades, and decorative trims due to their aesthetic appeal and corrosion resistance. The [SS 202 round bars price](#) may vary based on the size, quantity, and supplier, so it's recommended to request a quote for accurate pricing. Due to their corrosion resistance and strength, SS 202 round bars are employed in automotive applications, such as exhaust systems, trim parts, and fittings. They are used in construction applications, including building frames, roofing, and reinforcement, where durability and corrosion resistance are essential.

Mechanical Properties of SS 202 Round Bar

Property	Value Range
Tensile Strength (MPa)	515 - 720
Yield Strength (0.2% offset) (MPa)	275 - 405
Elongation (%)	40 - 60
Modulus of Elasticity (GPa)	190 - 200
Poisson's Ratio	0.27 - 0.30
Hardness (Brinell)	210 - 262
Impact Strength (J)	>100 (at room temp)
Density (g/cm ³)	7.8 - 7.9

Chemical Composition of SS 202 Round Bar

Element	Composition (%)
Chromium (Cr)	17.0 - 19.0
Nickel (Ni)	4.0 - 6.0
Manganese (Mn)	7.5 - 10.0
Silicon (Si)	1.00 max
Carbon (C)	0.15 max
Phosphorus (P)	0.060 max
Sulfur (S)	0.030 max
Nitrogen (N)	0.25 max



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Steelofabrica was founded in response to the quick and massive expansion in the infrastructure and industrial sectors throughout the world. We are ferrous and non – ferrous metal suppliers as well as infrastructure fabrication contractors.

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